INTERNATIONAL JOURNAL OF PHARMACEUTICS

VOL. 135 NOS. 1,2 CONTENTS 17 JUNE 1996

Cited in: Current Contents (Life Sciences: Clinical Practice): International Pharmaceutical Abstracts; Biological Abstracts; Chemical Abstracts; Excerpta Medica EMBASE: PASCAL M; Science Citation Index; Current Awareness in Biological Sciences; CAB Abstracts

Review

Pharmaceutical aspects of transdermal nitroglycerin
J. Hadgraft (UK) 1

Invited review

Modulated temperature differential scanning calorimetry: a novel approach to pharmaceutical thermal analysis
N.J. Coleman, D.Q.M. Craig (UK) 13

Research papers

Calorimetric method for rapid determination of critical water vapor pressure and kinetics of water sorption on hydroscopic compounds
L.D. Hansen, J.W. Crawford, D.R. Keiser, R.W. Wood (USA) 31

Determination of solution aggregation using solubility, conductivity, calorimetry, and pH measurements
W.H. Streng, D.H.-S. Yu, C. Zhu (USA) 43

Influence of excipients and storage humidity on the deposition of disodium cromoglycate (DSCG) in the Twin Impinger
M.A. Braun, R. Oschmann, P.C. Schmidt (Germany) 53

Effect of formulation and process variables on the formation of chitosan–gelatin coacervates
C. Remuñán-López, R. Bodmeier (USA) 63

Supramicellar solutions of sodium dodecyl sulphate as dissolution media to study the in vitro release characteristics of sustained-release formulations containing an insoluble drug: nifedipine
L. Maggi, M.L. Torre, P. Giunchedi, U. Conte (Italy) 73

Partitioning properties and degradation kinetics of the (Nle^4-DPhe^7)α-MSH analog Melanotan-I (MT-I)
N. Surendran, R. Bhardwaj, S.O. Ugwu, E.J. Sterling, J. Blanchard (USA) 81

Analysis of in vitro skin penetration of acyclovir prodrugs based on a diffusion model with a metabolic process
H. Bando, M. Sahashi, T. Takagi, F. Yamashita, Y. Takakura, M. Hashida (Japan) 91

The effect of molecular weight on the rheological and tensile properties of poly(ε-caprolactone)
M.P. Grosvenor, J.N. Staniforth (UK) 103

Polymorphism of azlocillin sodium
G.N. Kalinkova, Sv. Stoeva (Bulgaria) 111

Intranasal mucociliary clearance of putative bioadhesive polymer gels
M. Zhou, M.D. Donovan (USA) 115

Analysis of in vitro rat skin permeation and metabolism of SM-10902, prodrug of synthetic prostacyclin analogue
K. Sato, T. Mine (Japan) 127

The effect of nasal drug formulations on cilary beating in vitro
S.G. Romeijn, J. Coos Verhoef, E. Marttin, F.W.H.M. Merkus (The Netherlands) 137

Effects of hydroxymethylpropylcellulose (HPMC) moisture content on hydrochlorothiazide release from HPMC-based tablets
M.J. Mosquera, M. Cuña, C. Souto, A. Concheiro, R. Martínez-Pacheco, J.L. Gómez-Amoza (Spain) 147

Influence of water activity in organic solvent + water mixtures on the nature of the crystallizing drug phase. 1. Theophylline
H. Zhu, C. Yuen, D.J.W. Grant (USA) 151

Improvement of clofibrate dissolution by complexation with cyclodextrin
S. Anguiano-Igea, F.J. Otero-Espinar, J.L. Vila-Jato, J. Blanco-Méndez (Spain) 161

Interaction of anthracyclines with human erythrocytes at hyperthermic temperature
A. Szwarocka, T. Robak, E. Krykowski, Z. Jóźwiak (Poland) 167

Macromolecular prodrugs. VI. Kinetic study of poly[α,β-(*N*-2-hydroxyethyl-DL-aspartamide)]-ketoprofen hydrolysis
P. Jakšić, K. Mlinarić-Majerski, B. Zorc, M. Dumić (Croatia) 177

Chitosan microspheres of nifedipine and nifedipine-cyclodextrin inclusion complexes
J. Filipović-Grčić, M. Bećirević-Laćan, N. Škalko, I. Jalšenjak (Croatia) 183

The influence of lipophilicity upon the nasal absorption of a series of hexapeptides
A. Donnelly, I.W. Kellaway, S.J. Farr, G. Taylor, N. Tudball, M. Gibson (UK) 191

Author index 199

0378-5173(19960617)135:1-2;1-V